

SPRINGER®



V-SORTER

The lubrication-free, energy-efficient,
and environmentally friendly sorting
solution for the log yard

V-SORTER

An innovative sorting solution for the log yard



Runs lubrication-free, Reduced Operating Costs, and protects the environment

The V-Sorter is used for transporting and sorting logs into sorting boxes at the log yard. The SPRINGER solution eliminates lubrication loss over the entire length of the peak pull and significantly reduces energy consumption by minimizing friction. Additionally, it includes integrated waste disposal, transporting dirt out of the interior.

No lubricating oil, significant power savings, and low maintenance

The traditional drive chains are replaced in the V-Sorter by a highly durable elevator belt, making continuous lubrication of the chain and sliding surfaces of the drive train unnecessary during operation. Heavy-duty wheels made of cast polyamide are used on the carrier to pull the logs along the sorting line via a roller conveyor. This significantly reduces friction between the carrier and the running surfaces, thereby greatly decreasing the required drive power.

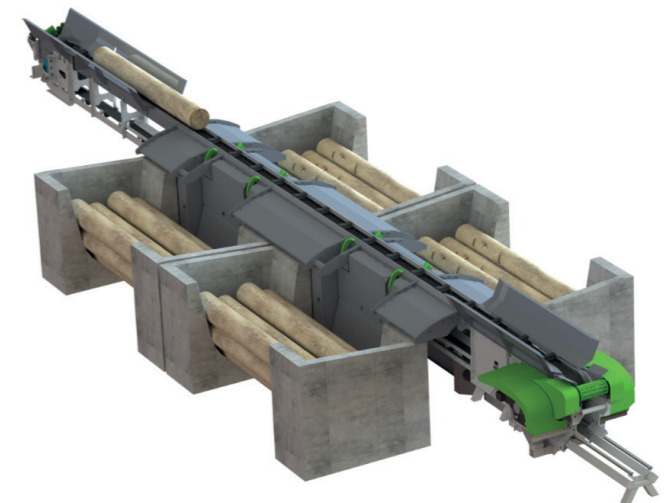
The average oil savings for comparable systems range from 30,000 to 50,000 liters per year.

Power consumption savings due to reduced friction are at least 30% and can theoretically exceed 60% depending on operating conditions. In longitudinal transport, the logs are handed over to carriers attached to a steel cable belt conveyor and pulled over guides by rollers without resting directly on the conveyor belt. Any dirt and debris are transported by the belt to ensure optimal disposal in the log sorting area.

Even small dirt particles are carried over sheet metal chutes onto the return belt inside and disposed of by a sweeper, keeping the area under the log sorting clean.

ADVANTAGES:

- Ongoing cost savings through elimination of oil lubrication
- Significant energy savings: lower energy consumption due to reduced drive power
- Integrated disposal with removal of dirt from the interior
- Mechanical connection of the rope belt conveyor
- Simplified maintenance



CONTACT US!

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